

ABSTRACT

5 An exhaust purification catalyst (11) for purifying
NO_x under a lean air-fuel ratio is arranged in exhaust
passage of an internal combustion engine. As a catalyst
10 carrier (50) of this exhaust purification catalyst (11),
alumina, which has base points on the carrier surface, is
used. The surface of the alumina is made to carry
platinum (51) dispersed on it without forming a layer of
a NO_x absorbent able to absorb NO_x. The air-fuel ratio of
15 the exhaust gas flowing into the exhaust purification
catalyst (11) is temporarily switched from lean to rich
before the entire surface of the platinum (51) suffers
from oxygen poisoning.

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